

Recombinant Human CHMP5, His-tagged

Cat. No. CHMP5-27751TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-219 of Human CHMP5, with N terminal His tag; 219 amino acids, 34kDa.
Species	Human
Source	E.coli
ProteinLength	1-219 a.a.
Description	CHMP5 belongs to the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. These proteins are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression (Tsang et al.
Conjugation	HIS
Form	Lyophilised:Reconstitution with 151 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MNRLFGKAKPKAPPPSLTDCIGTVDSRAESIDKKISRLDA ELVKYKDQIKKMREGPA
 KNMVKQKALRVLKQKRMYYEQQ RDNLAQQSFNMEQANYTIQSLKDTKTTVDAMKLG
 VKEM KKAYKQVKIDQIEDLQDQLEDMMEDANEIQEALSRSYG TPELDEDDLEAELD
 ALGDELLADEDSSYLDEAASAPAIPE GVPTDTKNKDGVLVDEFGLPQIPAS

Full Length Full L.

GENE INFORMATION

Gene Name [CHMP5 charged multivesicular body protein 5 \[Homo sapiens \]](#)

Official Symbol [CHMP5](#)

Synonyms CHMP5; charged multivesicular body protein 5; C9orf83, chromatin modifying protein 5 , chromosome 9 open reading frame 83 , SNF7DC2; CGI 34; HSPC177; Vps60;

Gene ID [51510](#)

mRNA Refseq [NM_001195536](#)

Protein Refseq [NP_001182465](#)

MIM [610900](#)

Uniprot ID [Q9NZZ3](#)

Chromosome Location 9p13.3

Pathway ESCRT-III complex, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Endosomal Sorting Complex Required

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For Transport (ESCRT), organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;

Function

protein binding;

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